

DATE: 5/31/16

## **CURRICULUM VITAE**

**NAME:** Owyn E. Snodgrass

### **ORGANIZATION:**

Contractor with Ocean Associates, Inc  
Department of Commerce  
National Oceanic & Atmospheric Administration  
National Marine Fisheries Service  
Southwest Fisheries Science Center  
Fisheries Resources Department  
Large Pelagics Lab: Highly Migratory Species  
8901 La Jolla Shores Drive  
La Jolla, CA 92037

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owyn.snodgrass@noaa.gov

### **PRESENT POSITION:**

Natural Resource Specialist III

### **Education**

1998- 2003 University of California at Santa Cruz  
Marine Biology BS  
Focus on marine conservation and ecology

### **EXPERIENCE:**

2001-2005

Position: Supervisor, Cook, Delivery Driver  
Organization: Pizza My Heart

2004-2005

Position: Farmers Market Sales Representative  
Organization: H&H Fresh Fish

2005-2008

Position: Assistant Manager  
Organization: West Marine

2007-Current

Position: Natural Resource Specialist III  
Organization: Contractor with Ocean Associates Inc working at NMFS, SWFSC, NOAA  
Fisheries La Jolla Ca  
Research in the field with NOAA:

2008 NOAA Juvenile Mako/ Blue Shark Long lining Cruise  
2008 NOAA SLUTH/ Swordfish Cruise  
2010 NOAA Juvenile Mako/ Blue Shark Long lining Cruise  
2011 NOAA Vessel Safety Training  
2010 Basking Shark Satellite tagging  
2011 Basking Shark Satellite tagging  
2011 NOAA SLUTH/ Swordfish Cruise  
2011 NOAA Juvenile Mako/ Blue Shark Long lining Cruise  
2012 NOAA SLUTH/ Swordfish Cruise  
2012 NOAA Juvenile Mako/ Blue Shark Long lining Cruise  
2013 NOAA SLUTH/ Swordfish Cruise  
2013 Cruise leader: Juvenile Mako/ Blue Shark Long lining Cruise  
2013 Charter Master for Commercial Passenger Fishing Vessels Charters  
2014 Fukushima Sampling Cruise with Stony Brook University  
2014 Juvenile Mako/ Blue Shark Long lining Cruise  
2014 Cruise leader: NOAA SLUTH/ Swordfish Cruise  
2014 CalCOFI presentation  
2015 NOAA Juvenile Mako/ Blue Shark Long lining Cruise  
2015 Charter Master for Commercial Fishing Vessel Charters  
2008-2016 Tuna Conference attendance: poster/ presentations  
2009-2016 American Albacore Presentations  
2010-2016 Fred Hall Fishing Show Management of Staffing, Booth, and outreach information

#### **RESEARCH INTERESTS:**

Ecology and diet studies of large pelagic fish (Highly Migratory Species):  
Tunas, Swordfish, California Yellowtail, Opah, Mako sharks, Blue sharks, Thresher sharks, and  
basking sharks: education, outreach, and tracking  
Population Dynamics  
Fisheries Management  
Conservation of marine diversity and stock structure  
Working with marine industries leaders and the public to further collaborations and  
understanding of fisheries

#### **HONORS and AWARDS:**

#### **PUBLICATIONS:**

Daniel J Madigan, Zofia Baumann, Aaron B. Carlisle, Danielle K. Hoen, Brian N. Popp, Heidi Dewar, Owyn E. Snodgrass, Barbara A. Block, Nicholas S. (2013). Reconstructing trans-oceanic migration patterns of Pacific bluefin tuna using a chemical tracer toolbox. *Ecology* 12/2013; 95(6). DOI:10.1890/13-1467.1

Daniel James Madigan, Zofia Baumann, Owyn E Snodgrass, Halim Aytekin Ergül, Heidi Dewar, Nicholas S Fisher (2013). Radiocesium in Pacific bluefin tuna *Thunnus orientalis* in 2012 validates new tracer technique. *Environmental Science & Technology* 02/2013; 47(5). DOI:10.1021/es4002423

R J David Wells, Suzanne Kohin, Steven L H Teo, Owyn E Snodgrass, Koji Uosaki (2013). Age and growth of North Pacific albacore (*Thunnus alalunga*): Implications for stock assessment. *Fisheries Research* 10/2013; 147:55-62. DOI:10.1016/j.fishres.2013.05.001

Daniel J Madigan, Aaron B Carlisle, Heidi Dewar, Owyn E Snodgrass, Steven Y Litvin, Fiorenza Micheli, Barbara A Block (2012). Stable isotope analysis challenges wasp-waist food web assumptions in an upwelling pelagic ecosystem. *Scientific Reports* 09/2012; 2:654. DOI:10.1038/srep00654

David Wells, Suzanne Kohin, Heidi Dewar, Steven Teo, Owyn Snodgrass, Charlene Renck. Population Structure of Albacore Tuna in the Eastern Pacific Ocean. American Fisheries Society 140th Annual Meeting; 09/2011

Hannes Baumann, R J D Wells, Jay R Rooker, Saijin Zhang, Zofia Baumann, Daniel J Madigan, Heidi Dewar, Owyn E Snodgrass, Nicholas S Fisher (2015). Combining otolith microstructure and trace elemental analyses to infer the arrival of juvenile Pacific bluefin tuna in the California current ecosystem. *ICES Journal of Marine Science*. 04/2015; DOI: 10.1093/icesjms/fsv062

R J David, Michael J Kinney, Suzanne Kohin, Heidi Dewar, Jay R Rooker, Owyn E Snodgrass. Natural tracers reveal population structure of albacore (*Thunnus alalunga*) in the eastern North Pacific. *ICES Journal of Marine Science*, 04/2015; DOI: 10.1093/icesjms/fsv051

K Lyons, A Preti, D J Madigan, R J D Wells, M E Blasius, O E Snodgrass, D Kacev, J D Harris, H Dewar, S Kohin, K MacKenzie, C G Lowe. Insights into the life history and ecology of a large shortfin mako shark *Isurus oxyrinchus* captured in southern California. *Journal of Fish Biology*, 05/2015; DOI: 10.1111/jfb.12709

Nicholas C Wegner, Owyn E Snodgrass, Heidi Dewar, John R Hyde. Whole-body endothermy in a mesopelagic fish, the opah, *Lampris guttatus*. *Science*, 05/2015; 348(6236):786-9. DOI: 10.1126/science.aaa8902

Owyn Snodgrass, et al. Tuna Foraging Ecology in the Southern California Bight. Prey abundance correlation with diet data. **In prep**

Owyn Snodgrass, et al. Trophic discrimination factors and Hg turnover in California Yellowtail. **In prep**

Owyn Snodgrass, et al. Foraging Ecology of Opah in the California Current: Diet and tagging data elucidate novel predation in a large endothermic pelagic fish. **In prep**

Owyn Snodgrass. et al. From Mossbacks to Migrants: California Yellowtail Ontogenetic Shifts at size and age. **In prep**

John walker, et al. Opah abundance in the California Drift Gill Net Fishery. **In prep**

**To be announced:** Additional papers in prep with Daniel Madigan, Robert Wells, and Heidi Dewar

## **REPORTS:**

## **OTHERS:**

Certifications

Scuba Certified 1992

Small Boat Certification 2014

CPR training

Computer Skills

Microsoft Excel, Access, Word, PowerPoint, R Studio

Languages

Fluent English

Basic Spanish

Volunteer experience

In 2005 I spent two months working as a volunteer for the Mexican government Sea Turtle Conservation program in Bahia de Los Angeles, Baja California. I helped oversee the maintenance and health of captive sea turtles for the purpose of scientific data accumulation. I was involved in satellite tagging, and capture and release of wild sea turtles, DNA sampling, and the feeding and cleaning of 12 captive turtles. With a group of high school students for High Tech High in San Diego we took daily weight and size measurements while administering iodine to small wounds the turtles acquired from captive life.

Interests

Marine conservation

Sustainable Fisheries

Traveling

Home aquarium reef tanks

Landscape design

Horticulture

Baja California

Dog training

Camping

Scuba Diving

Surfing

Recreational fishing

Mountain Biking and hiking

Cooking